

Golikov, V. Ya., Zol'nikova, N. I., Krongauz, A. N., and Pereslegin, I. A.
ASPECTS OF THE RADIATION PROTECTION OF MEDICAL PERSONNEL IN REMOTE-CONTROLLED GAMMA-THERAPY DEPARTMENTS. [1963] [10p]
10refs PASEB manuscript no. S 62-3.
Order from OTS, SLA, or ETC \$1.10 TT-64-13488

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 10, p. 59-63.

DESCRIPTORS: *Radiotherapy, *Medical personnel, Gamma rays, Medical equipment, Radiological dosage, Safety.

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

TT-64-13488

- I. Golikov, V. Ya.
- II. Zol'nikova, N. I.
- III. Krongauz, A. N.
- IV. Pereslegin, I. A.
- V. PASEB-S-62-3
- VI. Federation of American Societies for Experimental Biology, Washington, D.C.
- VII. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

ORGANIZATION OF WORK AND NORMS FOR THE WORK-
LOAD OF PERSONNEL ENGAGED IN THE DIAGNOSIS AND
TREATMENT OF DISEASES OF THE THYROID GLAND
BY RADIOACTIVE IODINE, BY V. KH. FRENKEL',
6 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VII,
NO 11, 1962, PP 23-26.

JPRS 17402

SCI 73 MED
JA

221,084

N

FIRST AID IN RADIOACTIVE IODINE POISONING,
BY V. P. BORISOV, 8 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VII,
NO 11, 1962, PP 27-31.

JPRS 17402

SCI - MED

JAN 63

221,085

Mirimova, T. D. and Andreeva, T. S.
RADIATION INJURY TO THE SKULL AND BRAIN OF
A CHILD ARISING FROM ROENTGENOTHERAPY FOR
ADENOCARCINOMA OF THE PAROTID GLANDS.
[1963] [12p] 9refs
FASEB Manuscript no. S 44-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24442
Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,
no. 11, p. 36-39.

A case history.

DESCRIPTORS: *Radiation injuries, *Radiotherapy,
X-rays, *Skull, *Cancer, Brain, *Salivary glands.

TT-63-24442

- I. Mirimova, T. D.
- II. Andreeva, T. S.
- III. FASEB-S-44-3
- IV. Federation of American
Societies for Experimental
Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 11, no. 4)

Office of Technical Services

CHANGES IN PERIPHERAL BLOOD DURING RADIATION
THERAPY, BY YE. V. KARIBSKAYA , T. E.
MATETSKAYA, 9 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VII,
NO 11, 1962, PP 39-45.

JPRS 17402
OTS TT-67-24435200

SCI - MED

JAN 63

221,086

EARLY CHANGES IN THE SKIN CHRONAXY AND VISUAL
ANALYSORS IN PERSONS EXPOSED TO A SINGLE
LOCAL X-RAY TREATMENT, BY A. S. YEFIMOVA,
8 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA,
VOL VII, NO 11, 1962, PP 45-50.

JPRS 17402
070 TP-43-210301 65-24044

SCI - MED

JAN 63

221,087

S-951/62

Concerning Evaluation of Luminescent-Microscopic Pictures of Blood and Bone Marrow During Roentgen Irradiation, by V. A. Kolpakov, ^{eff} (De 8346).

RUSSIAN, per, Med Radiol, Vol VII, No 11, 1962,
pp 50-53.

*JPRS 17402
073 17-63-24445
Sci -Med .. . 21030

26 Dec 62

Kozinets, G. I. and Osechenkaya, G. V.
INCLUSION OF GLYCINE C¹⁴ IN THE HEMATO-
POETIC CELLS OF LEUKEMIA PATIENTS. [1963]
[16p] 10refs FASEB manuscript no. S 48-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13492
figs. available on loan from OTS
Trans. of *Mediterranskaya Radiologiya* (USSR) 1962,
v. 7, no. 11, p. 53-59.

DESCRIPTORS: *Glycines, Labeled substances, Tracer
studies, *Hemopoietic system, *Leukemia, Cells
(Biology).

(Biological Sciences--Pathology. TT, v. 11, no. 9)

TT-64-13492

I. Kozinets, G. I.
II. Osechenkaya, G. V.
III. FASEB-S-48-3
IV. Federation of American
Societies for Experimental
Biology, Washington, D.C.
V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Berkutov, A. N., Korchanov, L. S., Yaroslavtseva,
N. A., Bochagova, D. L.
REPLACEMENT THERAPY AT THE CLIMAX OF
ACUTE RADIATION SICKNESS. [1963] [13p] 18refs
FASEB manuscript no. S 49-3.
Order from OTC, SLA, or ETC \$1.60 TT-63-23857

Trans. of Meditinskaya Radiobiologiya (USSR) 1962,
v. 7, no. 11, p. 59-63. (Abstract available)

DESCRIPTORS: *Radiation sickness, *Blood trans-
fusions, Blood cells, Immunity, Blood coagulation,
*Radiation effects.

X-rays were used to produce radiation sickness in 15
dogs. At the height of the disease syndrome, 10 dogs
were given direct transfusions of arterial blood every
2 or 3 days for a total of 4 or 5 transfusions. The 5
control animals did not receive any blood. Complete
(Biological Sciences--Radiobiology, TT, v. 11, no. 5)
(over)

TT-63-23857

- I. Berkutov, A. N.
- II. Korchanov, L. S.
- III. Yaroslavtseva, N. A.
- IV. Bochagova, D. L.
- V. FASEB S-49-3
- VI. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.
Washington, D. C.

Office of Technical Services

TREATMENT OF RADIATION SICKNESS BY
HOMOTRANSPLANTATION OF FRESH AND PRESERVED
SPLEEN, BY V. A. REVIS, A. A. SOKOLOV, 12 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA,
VOL VII, NO 11, 1962, PP 65-73.

JPRS 17402

SCI - MED

JAN 63

221,088

Dobrova, S. M. and Berezhnov, I. P.
THE PRESENT STATE OF THE PROBLEM OF THE
RADIO-ISOTOPE DIAGNOSIS OF TUMORS OF THE
EYE. [1963] [14p] 44refs FASEB manuscript
no. S 51-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-23858

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 11, p. 77-82. (Abstract available)

DESCRIPTORS: *Tracer studies, *Tumors, *Eye,
Neoplasms, *Diagnosis, Ophthalmology, *Radioactive
isotopes.

This relatively short survey of the accessible literature
on the use of radio isotope diagnosis of intraocular
tumors shows that with rare exceptions positive results
of tests with P^{32} and I^{131} are of practical value in
determining the nature of neoplasms of the eye. They
(Biological Sciences--Pathology, TT, v. 11, no. 8)(over)

TT-63-23858

I. Dobrova, S. M.
II. Berezhnov, I. P.
III. FASEB S-51-3
IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Voltyuk, V. M.

CERTAIN FEATURES OF THE MECHANISM OF LEUKOPENIA IN ACUTE RADIATION SHOCK. [1963] [6p. FASEB manuscript no. S 52-3. Order from OTS or SLA \$1.10 63-23859

Trans. of Meditsinskaya Radiobiologiya (USSR) 1962, v. 7, no. II, p. 82-83.

DESCRIPTORS: *Leukopenia, *Radiation sickness, *Shock (pathology), Hemopoietic system.

It is shown that the lower the dose of radiation received, the greater the relative importance of redistribution in the development of leukopenia. The larger the dose of radiation, the sooner the redistributive, functional phase of leukopenia gives way to substantial organic changes in the leukocytes of the blood and bone marrow. The phasic nature of the changes in leukopoiesis during (Biological Sciences--Radiobiology, TT, v. 10, no. 12)
(over)

63-23859

- I. Voltyuk, V. M.
- II. FASEB S-52-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

<p>Shubina, A. V. THE EFFECT OF SEVERAL PHARMACOPEIAL PREPARATIONS ON EXPERIMENTAL RADIATION SICKNESS (Vliyanie Nekotorykh Pharmakopeinykh Preparatov na Luchevuyu Bolezn' v Ekspertimente). [1963] [71] FASEB Manuscript no.: S 53-3. Order from OTS, SLA, or ETC \$1.10 TT-63-24446 Trans. of Meditsinskaya Radiobiologiya (USSR) 1962, v. 7, no. 11, p. 83-86. (Abstract available) Another trans. is available from OTS \$1.50 in TT-63-21030. JPRS-17402, 31 Jan 63 [58]p. DESCRIPTORS: Drugs, *Radiation sickness, *Radio-protective drugs, Hemopoietic system. Two plant substances, Aralia mandshurica and Ononis arvensis, and a chemical preparation of Leukogen (4-carboxy-α-phenyl-2-thiazolidinacetic acid) were (Biological Sciences--Radiobiology, TT, v. 11, no. 6) (over)</p>	<p>TT-63-24446</p> <p>1. Title: Aralia 2. Title: Leucogen 3. Title: Ononis I. Shubina, A. V. II. FASEB-S-53-3 III. Federation of American Societies for Experimental Biology, Washington, D. C. IV. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>
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S-951/62

Scientific ~~confer~~ Conference Dedicated to ~~the~~ Problems of
Recovery From Radiation Injuries, by O. V. Popov.
(DC-8346)

RUSSIAN, per, Med Radiol, Vol VII, No 11, 1962,
pp 92-94.

*JPRS

Sci - MED

26 Dec 62

Volkova, M. A., Pel'man, S. G., and Dar'yalova,
S. L.
COMPARATIVE DISTRIBUTION OF COLLOIDAL
SOLUTIONS OF RADIOACTIVE YTTRIUM SALTS IN
ANIMALS FOLLOWING INTRAPERITONEAL AD-
MINISTRATION. [1963] [12p] (fig omitted) 4refs
FASEB Manuscript no.: S 136-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24463

Trans. of Meditinskaya Radiologiya (USSR) 1962,
v. 7, no. 12, p. 3-7. (Abstract available)

DESCRIPTORS: *Absorption (Biological), Colloids,
*Yttrium compounds, *Labeled substances, Tracer
studies, Bone, Blood, Reticuloendothelial system,

The differences in distribution of colloidal solutions of
the silicate, phosphate and fluoride salts of radioactive
yttrium were studied. Female rats were given a single
injection of the isotopes into the abdominal cavity. All
(Biological Sciences--Radiobiology, TT, v. II, no. 6)
(over)

TT-63-24463

- I. Volkova, M. A.
- II. Pel'man, S. G.
- III. Dar'yalova, S. L.
- IV. FASEB-S-136-3
- V. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- VI. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Umanskii, K. G., Shuster, M. A., and Yudin, L. A.
DETERMINATION OF THE EXTENT OF INJURY TO
THE FACIAL NERVE BY RADIONUCLIDE INDICATION OF THE
SALIVA. [1963] [11p] 4 refs FASEB Manuscript
no.: S-137-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24462

Trans. of Meditsinskaya Radiologiya (USSR) 1962 [v. 7]
no. 12, p. 21-25. (Abstract available)

DESCRIPTIONS: Tracer studies, *Saliva, Secretion,
*Wounds and injuries, *Facial nerve, Salivary glands,
Diagnostic agents.

Radiometric investigation of the functioning of the salivary glands reveals a distinct difference in ^{131}I accumulation when the facial nerve is damaged at different levels; this is of diagnostic importance. In damage to the trunk of the facial nerve radioactivity in the saliva is lower on the side affected. In damage to the center of (Biological Sciences--Radiobiology, TT, v. 11, no. 5)
(over)

TT-63-24462

I. Umanskii, K. G.
II. Shuster, M. A.
III. Yudin, L. A.
IV. FASEB-S-137-3
V. Federation of American Societies for Experimental Biology,
Washington, D. C.
VI. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

TT-63-24464

Al'ferova, V. V. and Kuznetsova, L. V.
THE STATE OF THE PERIPHERAL VESSELS IN
INDIVIDUALS WORKING WITH THE CYCLOTRON.
[1963] [18p] 7refs FASEB Manuscript no.: S 138-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24464

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 12, p. 32-37. (Abstract available)

DESCRIPTORS: *Radiation effects, *Blood vessels,
Plethysmography, Cyclotron, Operators (Personnel),
Blood pressure,

The state of the peripheral vessels was observed in
individuals who had worked with a cyclotron for be-
tween 4 and 9 years and in individuals who had never
been exposed to a toxic or radiation effect. Among
individuals working with the cyclotron, arterial pres-
sure was normally 10-20 mm lower than in the control
(Biological Sciences--Radiobiology, TT, v. 11, no. 5)
(over)

- I. Al'ferova, V. V.
- II. Kuznetsova, L. V.
- III. FASEB-S-138-3
- IV. Federation of American
Societies for Experimental
Biology, Washington,
D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

TT-63-24471

Kovalenko, A. V.
CHANGES IN LEUKOCYTE MOTILITY IN RADIATION
THERAPY. [1963] [7p] 5refs FASEB manuscript
no. S 139-3.
Order from OTS, SLA, or ETC \$1.10 TT-63-24471

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,
no. 12, p. 38-40. (Abstract available)

DESCRIPTORS: *Radiotherapy, *Radiation injuries,
*Leucocytes, *Phagocytosis, Contrast media,
Microscopy, Diagnostic agents,

Small doses of penetrating radiation initially increase
leukocyte motility. Following repeated irradiation there
is a reduction in the total number of leukocytes and a
noticeable reduction in their motility by comparison
with the initial levels prior to irradiation. (Author)

(Biological Sciences--Radiobiology, TT, v. 11, no. 5)

- I. Kovalenko, A. V.
- II. FASEB-S-139-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

<p>Gladkova, G. S SOME COMPARATIVE DATA ON TWO METHODS FOR STUDYING THE TAKE OF BONE GRAFTS USING RADIOACTIVE INDICATORS. [1963] [9p] (fig omitted) FASEB Manuscript no.: S 140-3. Order from OTS, SLA, or ETC \$1.10 TT-63-24465</p> <p>Trans. of Medgiznaukaya Radiologiya (USSR) 1962, v. 7, no. 12, p. 40-43. (Abstract available)</p> <p>DESCRIPTORS: *Bone, *Transplantation, *Tracer studies, Pulse counters, Autoradiography, Surgery, Medical equipment, Diagnostic agents.</p> <p>The object of the research was to study mineral metabo- lism between the graft and the accepting matrix in the recipient following the transplantation of fresh grafts and grafts preserved at low temperature to various bone matrices. By using the pulse count method it was (Biological Sciences--Radiobiology, TT, v. 11, no. 6) (over)</p>	<p>TT-63-24465</p> <p>I. Gladkova, G. S. II. FASEB-S-140-3 III. Federation of American Societies for Experi- mental Biology, Washington, D. C. IV. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>
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<p>Shevchenko, V. I. THE NATURE OF DISTURBANCES TO BLOOD COAGULATION IN CHRONIC (OCCUPATIONAL) X-IRRADIATION. [1963] [19p] 17refs FASEB Manuscript no.: S 142-3. Order from OTS, SLA, or ETC \$1.60 TT-63-24466 Trans. of <u>Meditinskaya Radiologiya</u> (USSR) 1962, v. 7, no. 12, p. 49-55. (Abstract available) Another trans. is available from OTS \$1.00 in TT-63-21141, JPRS-17659, 15 Feb 63 [38p].</p> <p>DESCRIPTORS: *Blood coagulation, *Health physics, *Radiation effects, Industrial medicine, Blood disorders, X-rays.</p> <p>The authors examined 70 workers in X-ray departments employed for periods of between a few months and 20 years. The data obtained show that although there are regular and fairly stable disturbances to blood coagula- (Biological Sciences--Radiobiology, TT, v. 11, no. 6) (over)</p>	<p>TT-63-24466</p> <p>I. Shevchenko, V. I. II. FASEB-S-142-3 III. Federation of American Societies for Experimental Biology, Washington, D. C. IV. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>
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Kalistratova, V. S.
THE EFFECT OF INFLAMMATION OF SUBCUTANEOUS CELL TISSUE AND SENSITIZATION ON Sr⁹⁰ DISTRIBUTION IN THE ORGANISM. [1963] [8p]
FASES manuscript no. S 143-3.
Order from OTS, SLA, or ETC \$1.10 TT-64-13496

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 12, p. 56-58.

TT-64-13496

- I. Kalistratova, V. S.
- II. FASEB-S-143-3
- III. Federation of American Societies for Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 11, no. 11)

Office of Technical Services

S-51/63

Effect of Repeated Prolonged Irradiation on Blood
and Hemopoietic Organs, by G. D. Baysogolov.
(NY-7427)

RUSSIAN, per, Medit Radiologiya, Vol VII, No 12,
1962, pp 68-77.

*JPRS

Sci - Med
17 Jan 63

S-367/63

Propsects for Extracting Radioactive Strontium
from the Organism, by V. S. Balabukha, N. O.
Razumovskiy. SF-2603

RUSSIAN, per, Meditsinskaya Radiologiya, Vol VII,
No 3, 1963, pp 71-76.

*JPRS

Sci - Med

Apr 63

PREOPERATIVE IRRADIATION OF MAMMARY CANCER VIA
INTESTINAL ADMINISTRATION OF RADIOACTIVE
COLLOIDAL GOLD, BY A. V. KANTIN, L. A. KACHUR,
ET AL, 13 PP.

RUSSIAN, PER, MEDIT RADIOL, NO 1, 1963, PP 24-32.

JPRS 18904

SCI - BIOL-MED SCI

MAY 63

228,877

DETERMINATION OF THE FUNCTIONAL STATE OF THE
THYROID BY MEANS OF A DIAGNOSTIC SCINTILLATION
APPARATUS OF THE DSU-61 TYPE, BY V. N. SLAVINOV,
T. P. SIVACHENKO, 5 PP.

RUSSIAN, PER, MEDIT RADIOL, NO 1, 1963, PP 36-38.

JPRS 18904

SCI ↔ BIOL-MED SCI

MAY 63

228,373

SOME RESULTS OF THE ELABORATION OF THE PROBLEM
OF RADIobiology IN PUBLIC HEALTH INSTITUTIONS
IN 1961, BY YE. I. VOROB'YEB, L. V. FUNSHEYH,
10 PP.

RUSSIAN, PER, MEDIT RADIOL, NO 1, 1963, PP 38-45.

JPRS 18904

OTS -TT-64-739-2

SCI - BIOL-MED SCI

MAY 63

226,879

S-309/63

The Influence of Long-Term Internal Irradiation
With Radioactive Zinc on the Bioelectric Activity
of the Brain in Rabbits, by V. G. Ovakimov.
(NY-7557)

RUSSIAN, per, Medit Radiol, Vol VIII, N. 1,
1963, pp 45-46.

*JPRS

Sci - Biol & M d Sci
22 Mar 63

TT-64-13530

Sheremet, Z. I. and Kazanova, L. I.
EFFECT OF VITAMIN B₁₂ ON THE NUCLEIC ACID
CONTENT OF THE HEMOPOIETIC ORGANS OF
IRRADIATED ANIMALS. [1963] [14p] 82refs FASEB
manuscript no. S 278-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13530
figs. available on loan from OTS
Trans. of Medizinskaya Radiologiya (USSR) 1963, v. 8,
no. 1, p. 46-54.

DESCRIPTORS: *Nucleic acids, Cells (Biology),
*Hemopoietic system, Radiation effects, Drugs, Bone
marrow, *Radioprotective agents, *Vitamin B₁₂

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

- I. Sheremet, Z. I.
- II. Kazanova, L. I.
- III. FASEB-S-278-3
- IV. Federation of American
Societies for Experimental
Biology, Washington, D.C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Vissarionova, V. Ya. and Chertkov, L. L.
THERAPEUTIC EFFECT OF PURIFIED PROPERDIN
IN MICE WITH ACUTE RADIATION SICKNESS,
[1963] [7p] Drefm FASEB manuscript no. S 281-3.
Order from OTS, SLA, or ETC \$1.10 TT-64-13524

Trans. of Meditsinskaya Radiobiologiya (USSR) 1963,
v. 8, no. 4, p. 62-64.
Another trans. is available from OTS \$1.25 in
TT-63-21676, JPRS-18904, 25 Apr 63, 37p.

TT-64-13529

I. Vissarionova, V. Ya.
II. Chertkov, L. L.
III. FASEB-S-281-3
IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
V. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 11, no. 11)

Office of Technical Services

Korolev, G. K.
CHANGES IN THE CARDIOVASCULAR SYSTEM OF
DOGS WITH RADIATION SICKNESS INDUCED BY
URANIUM FISSION PRODUCTS. [1963] [16p] 18refs
FASEB manuscript no. S 282-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24500

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8,
no. 1, p. 64-70. (Abstract Available)

DESCRIPTORS: *Cardiovascular system, Dogs,
*Radiation sickness, *Fission products, *Uranium,
Heart, Blood pressure, Atrophy, Cardiac muscle.

A drop in pulse rate, which is later replaced by
tachycardia, occurs in dogs during the first days
postirradiation by uranium fission products ingested or
inhaled. At the climax of radiation sickness the arterial
pressure drops and weakening of the cardiac impulse,
dullness of tones, and sometimes a pendulum rhythm
(Biological Sciences--Radiobiology, TT, v. 11, no. 4)
(over)

TT-63-24500

- I. Korolev, G. K.
- II. FASEB-S-282-3
- III. Federation of American
Societies for
Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, C. C.

Office of Technical Services

Application of the Isotope Method to Study
Absorption From the Alimentary Tract, by
D.E. Grodzenskiy, K. S. Zamychkina. 27 pp.
RUSSIAN, per, Meditinskaya Radiologiya, Vol 8,
No 1, 1963, pp 71-76.
SLA TT-64-19265

Sci/B&M
Jul 66

305,969

TT-64-13436

Sivachenko, T. P. and Slavnov, V. N.
THE FUNCTIONAL STATE OF THE THYROID
GLAND IN THYROTOXICOSIS PATIENTS AT DIFFERENT
PERIODS AFTER RADIOIODINE THERAPY
(Funktsional'noe Sostoyaniye Shchitovidnoj Zhelez u
Bol'nykh Tirotoksiikoza v Razlichnye Sroki Poedle
Lecheniya Radioaktivnym Iodom). [1963] [11p] 18refs
FASEB manuscript no. SS26-3.

Order from APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-
Trans. of Meditinskaya Radiologiya (USSR) 1963,
v. 8, no. 2, p. 5-10.

I. Sivachenko, T. P.
II. Slavnov, V. N.
III. FASEB-S-526-3
IV. Federation of American
Societies for Experimental
Biology, Washington, D. C.
Scopus Technica Inc.,
Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 11, no. 11)

Office of Technical Services

R000300840046-3

Vakhtel', V. S. and Sinenko, L. F.
THE EFFECT OF CYSTAMINE HYDROCHLORIDE ON
THE DEVELOPMENT AND COURSE OF RADIATION
SICKNESS IN PATIENTS UNDERGOING X-RAY THER-
APY AND RADIOTHERAPY. [1963] [16p] 2refs
FASEB Ma no.: S527-3.

Order from OTS, SLA, or ETC \$1.60 TT-64-13867

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8,
no. 2, p. 13-19.

DESCRIPTORS: *Radiation sickness. Therapy. Drugs.
*Radioprotective agents. Amines.

TT-64-13867

- I. Title: Cystamine hydrochloride
- II. Vakhtel', V. S.
- III. FASEB-S-527-3
- IV. Federation of American Societies for Experimental Biology, Washington, D. C.
- V. Scripta Technica, Inc., Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

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A Case of Radiation Sickness Due to Radio-active Cesium, by L. I. Geller. 8 pp.
RUSSIAN, per, Meditinskaya Radiologiya, Vol 8,
No 2, 1963, pp 23-25.
SLA TT-64-19213

Sci/B&M
Jul 66

305,968

Use of Mautow Suspension in Supralethal Radiation
Affections by K. N. Maksinova, 7 pp.

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RUSSIAN, per, Medit Radiol, Vol VIII, No 2, 1962,
pp 25-28. 9687675

FTD-TP-63-596

Sci-Med Sci & Bic
Nov 63

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TT-64-13839

Bogatov, L. V.
THE REACTION OF THE BLOOD SYSTEM IN DOGS
TO HEAVY LOSS OF BLOOD AT REMOTE PERIODS
AFTER CHRONIC IONIZING IRRADIATION (O Reaktsii
Sistemy Krovi u Sobak na Massivnyu Krovopoteryu v
Otdalennye Sroki Posle Kchronicheskogo Vozdeistviya
Ioniziruyushchey Radiatsii). [1963] [18p] 14refs
FASEB Ms no. : S530-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13839

Trans. of Meditsinskaya Radiobiologiya (USSR) 1963,
v. 8, no. 2, p. 28-35.

DESCRIPTORS: *Blood circulation, *Radiation effects,
Hemorrhage, *Dogs, Radiation sickness.

- I. Bogatov, L. V.
- II. FASEB-S-530-3
- III. Federation of American
Societies for Experimental
Biology,
Washington, D. C.
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Washington, D. C.

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<p>Gruzdev, G. P., Evseeva, N. K., Rozhdestvenskii, L. M., Fedotova, M. I., and Shcherbova, E. N. DISTURBANCE OF CELL REGENERATION IN THE BONE MARROW OF IRRADIATED RATS. [1963] [14p] 12refs FASEB No. : S 531-3. Order from OTS, SLA, or ETC \$1.60 TT-64-13840</p> <p>Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 2, p. 35-42.</p> <p>DESCRIPTORS: *Hemopoietic system, *Bone marrow, *Cells (Biology), *Blood cells, Regeneration, Rats, *Radiation effects.</p> <p>(Biological Sciences--Radiobiology, TT, v. 11, no. 8)</p>	<p>TT-64-13840</p> <p>I. Gruzdev, G. P. II. Evseeva, N. K. III. Rozhdestvenskii, L. M. IV. Fedotova, M. I. V. Shcherbova, E. N. VI. FASEB-S-531-3 VII. Federation of American Societies for Experimental Biology, Washington, D. C.</p> <p>Office of Technical Services</p>
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CHANGES IN THE LEUKOCYTE REACTION TO PAIN
IN INJURIES CAUSED BY RADIATION WITH OR
WITHOUT TRAUMA. [1963] [13p] 14refs FASEB
Ms no.: 5532-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13868

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8,
no. 2, p. 42-47.

DESCRIPTORS: *Radiation injuries, *Shock (Pathology),
*Pain, *Hematology, Blood cells, *Leukocytes,
Radiation effects.

TT-64-13868

- I. Ul'yanov, N. I.
- II. Scharov, B. V.
- III. FASEB-S-532-3
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- V. Scripta Technica, Inc.
Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

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LOWER THE IMMUNOBIOLOGICAL RESISTANCE OF
THE ORGANISM AS A MANIFESTATION OF THE IRREVERSIBLE
COMPONENT, BY I. G. AKOYEV, M. A. LAGUN, 10 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLGIYA, VOL VIII,
NO 2, 1963, PP ~~X~~47-50.

JPRS 19152

SCI - MED
MAY 63

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Antipenko, E. N.
RESIDUAL MANIFESTATIONS AND LATE SEQUELAE
OF ACUTE RADIATION SICKNESS IN MAN. [1963]
[30p] 67refs FASEB Ms no. S534-3.
Order from OTS, SLA, or ETC \$2.60 TT-64-13924

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 2, p. 58-66.

DESCRIPTORS: *Radiation sickness, Man.

(Biological Sciences--Radiobiology, TT, v. 11, no. 10)

TT-64-13924

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Mindlin, S. S.

THE CARDIOVASCULAR EFFECTS OF IONIZING RADIATION IN RADIATION THERAPY OF TUMOR PATIENTS. [1963] [16p] 7 refs FASEB Ms no.: S356-3. Order from OTS, SLA, or ETC \$1.60 TT-64-13865

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 3, p. 26-31.

DESCRIPTORS: Radiotherapy, *Cardiovascular system, *Radiation effects, Neoplasms.

TT-64-13865

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- II. FASEB-S-356-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
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<p>Kuznetsova, L. V. and Egorova, M. S. THE ASSESSMENT OF β-RADIATION AS A FACTOR AFFECTING CYCLOTRON OPERATORS. [1963] [12p] 4refs FASEB Ms no.: S357-3. Order from OTS, SLA, or LTC \$1.60 TT-64-13833 Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 3, p. 34-38.</p> <p>DESCRIPTORS: *Health physics, *Cyclotrons, *Radiation hazards, Operators (Personnel), Beta particles, Dose rate.</p> <p>(Biological Sciences--Radiobiology, TI, v. II, no. 8)</p>	<p>TT-64-13833</p> <p>I. Kuznetsova, L. V. II. Egorova, M. S. III. FASEB-S-357-3 IV. Federation of American Societies for Experi- mental Biology. Washington, D. C. V. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>
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WITH BRAIN TRAUMA AND RADIATION SICKNESS.
[1963] [18p] 7 refs FASEB manuscript no. S 358-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13407

Trans. of Meditainaika Radiologiya (USSR)
1963, v. 8, no. 3, p. 38-43.

DESCRIPTORS: *Radiation sickness, *Brain, *Shock
(Pathology), Cats, Electrocardiography, *Cardio-
vascular system.

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

TT-64-13407

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Alekseeva, M. S. and Fedorov, V. K.
A STUDY OF THE HIGHER NERVOUS ACTIVITY OF
THREE GENERATIONS OF RATS BORN OF PARENTS
IRRADIATED WITH γ -RAYS FROM Co60. [1963]
[15p] 7refs FASEB manuscript no. S 359-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13406

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 3, p. 30-37.

DESCRIPTORS: *Nervous system, Rats, *Radiation
effects, *Gamma rays, Genetics, Cobalt, Fertility.

TT-64-13406

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- II. Fedorov, V. K.
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- IV. Federation of American
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IN THE LUNGS ON RADIOSTRONTIUM DISTRIBUTION
IN THE ORGANISM. [1963] [10p] 4refs FASEB
Ms no. S 360-3.
Order from OTS, SLA, or ETC \$1.10 TT-64-13834

Trans. of Medizinicheskaya Radiologiya (USSR) 1963,
v. 8, no. 3, p. 57-61.

DESCRIPTORS: "Lungs, Inflammation, Radioactive
Isotopes, "Strontium, "Radiation effects

TT-64-13834

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(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

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Erleksova, E. V.
LONG TERM MORPHOLOGICAL CHANGES INDUCED
BY Po²¹⁰ IN DOG. [1963] [10p] FASEB manuscript
no. S 361-3.
Order from OTS, SLA, or ETC \$1.10 TT-63-24510

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8,
no. 3, p. 61-66. (Abstract available)

DESCRIPTION: *radiation effects, Morphology
(Biology), Dogs, Radioactive isotopes, Polonium,
Liver, *Cancer, *Gastrointestinal system, *Car-
cinogenic agents, Endocrine glands,

Morphological examination of dogs killed 9 years after
administration of Po²¹⁰ 0.05 mc/kg via gastro-intes-
tinal tract showed dystrophic changes in various organs,
gross abnormalities in the stroma and parenchyma of
the liver with nodular proliferation of the liver cells as
a form of compensatory hypertrophy and hyperplasia
(Biological Sciences--Radiobiology, TT, v. 11, no. 5)
(over)

TT-63-24510

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II. FASEB-S-361-3
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Smirnova, O. V.
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LIVE ANTIPLAQUE EB VACCINE ON THE RADIO-
RESISTANCE OF ANIMALS. [1963] [13p] 9refs
FASEB Ms no.: S362-3.
Order from ORS, SLA, or ETC \$1.60 TT-64-13835
Trans. of Meditsinskaya Radiobiologiya (USSR) 1963,
v. 8, no. 3, p. 66-71.

DESCRIPTORS: *Radioprotective agents, *Vaccines,
Pasteurella.

(Biological Sciences--Radiobiology. TT, v. 11, no. 8)

TT-64-13835

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ELIMINATING RADIOSTRONTIUM FROM THE ORGANISM,
BY V. S. BALABUKHA, N. O. RAZUMOVSKIY, 6 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 3, 1963,
PP 71-76.

OTS TT-64-13936
JPRS 18936

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REPRODUCTIVE FUNCTION IN DOGS AND THEIR
FIRST GENERATION PROGENY. [1963] [15p]
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Order from OTS, SLA, or ETC \$1.60 TT-64-13841
figs. available on loan from OTS

Trans. of Meditainskaya Radiologiya (USSR) 1963,
v. 8, no. 4, p. 62-68.

DESCRIPTORS: *Reproduction (Physiology).
*Radiation effects, X-rays, Dogs, *Mutations.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-64-13841

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Krikshtopalit, M. I. and Pashkyaviches, V. R.
POSSIBLE CLINICAL CURE OF CANCER OF THE
THYROID BY ^{131}I . [1963] [8p] FASEB Ms no. S629-3.
Order from OTS, SLA, or ETC \$1.10 TT-64-13817

Trans. of Meditinskaya Radiologiya (USSR) 1963,
v. 8, no. 4, p. 80-81.

DESCRIPTORS: *Cancer, *Thyroid gland, *Iodine,
Radioactive isotopes, Radiotherapy.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-64-13817

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SOVIET STUDIES OF RADIATION SICKNESS, BY
V. V. ANTIPOV, V. D. ABDULLAYEV, ET AL, 13 PP.

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JPRS 19996

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Saksonov, P. P. and Fakhruddinov, G. F.
TOXICOLOGICAL DATA ON RADIOACTIVE IODINE
(Material k Toksikologii Radionaktivnogo Ioda). [1964]
[13p] (foreign text included) 13refs FASEB Ms no.:
S774-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-15517

Trans. of Meditinskaya Radiologiya (USSR) 1963, v.
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(Biological Sciences--Radiobiology, TT, v. 12, no. 3)

TT-64-15517

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TT-64-15518

Kiselev, P. N. and Sivertseva, V. N.
CHANGES IN THE CAPACITY OF IRRADIATED
ANIMAL TISSUES TO DESTROY MICROBIAL TOXINS.
[1964] [21p] 13refs FASEB Ms no.:S775-3.
Order from OTS, SLA, or ETC \$2.60 TT-64-15518
Trans. of Meditinskaya Radiobiologiya (USSR) 1963, v. 8,
no. 5, p. 33-39.

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RADIATION EXPOSURE OF MEDICAL PERSONNEL DURING
WORK WITH AU 198 GRANULES IN NEURO-ONCOLOGICAL
CLINICS, BY A. A. VOLKOV, N. K. MURATHODZHAYEV,
ET AL, 7 PP.

RUSSIAN, PER, MEDIT RADIOLGIYA, VOL VIII, NO 5,
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JPRS 20520

SCI - MED
AUG 63

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THE PROTECTIVE AND THERAPEUTIC EFFECT OF SYNERGISTIC ACTION OF EFFECTIVE SUBSTANCES ON THE OUTCOME OF RADIATION SICKNESS IN ANIMALS, BY A. M. STASHKOV, V. P. KOROTKOVA, 8 PP.

RUSSIAN, PER, MEDIT RADIO, VOL VIII, NO 5, 1963,
PP 79-82.

JPRS 20520

SCI - MED
AUG 63

238,530

THE THIRD ONCOLOGICAL CONFERENCE AND FOURTH CONFERENCE OF TOENTGENOLOGISTS AND RADIOLOGISTS OF THE MOLDAVIAN SSR, BY YU. B. MANDEL' TSVAYG, 9 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VIII, NO 5, 1963, PP 89-94.

JPRS 21231

SCI-BIOL-MED
OCT. 63

344,425

Radiometric Assessment of Liver Function in
Biliary Tract Obstruction, by S. B. Karimova. 19pp
RUSSIAN, per, Meditinskaya Radiobiya, Vol 8,
No 6, 196~~3~~, pp 19-27.
SLA TT-64-19214

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Jul 66

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THE MECHANISM OF ANTRADIATION AGENTS, BY V. I. KUZNETSOV, M. S. KUSHAKOVSKIY, 2 PP.

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JPRS 21214

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ANALYSIS OF THE ACTION OF RADIOPROTECTIVE AGENTS FROM
THE ASPECT OF THEIR PRACTICAL APPLICATION, BY
G. V. SUMARUKOV, YU. B. KUDRYASHOV, 16 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VIII,
NO 6, 1963, PP 32-41.

JPRS 21214

SCI-BIOL-MED
OCT. 63 .

344,441

POTENTIOMETRIC DETERMINATION OF THE EFFECTIVENESS OF CYSTEAMINE PROTECTION ON MICE, BY G. V. SUMARUKOV,
YU. B. KUDRYASHOV, 6 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLGIYA, VOL VIII,
NO 6, 1963, PP. ~~344-442~~ 92-44.

JPRS 21214

SCI-BIOL-MED
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THE EFFECT OF UNITHIOL ON THE KIDNEY FUNCTION OF
DOGS INJURED BY IONIZING RADIATION, BY Z. I. POLUBOY-
ARIKOVA, 5 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VIII,
NO 6, 1963, PP ~~44-50~~. 44-50.

JPRS 21214

SCI-X-BIOL-MED
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TRANSFORMATION OF HEMOPOEITIC CELLS OF TRANSPLANTED
ALLOGENOUS BONE MARROW INTO IMMUNOLOGICALLY COMPETENT
CELLS IN IRRADIATED DOGS, BY I. L. CHERTKOV,
M. N. NOVIKOVA, ET AL, 14 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLGIYA, VOL VIII,
NO 6, 1963, PP 51-60.
FAS EB, VOL 23, NO 4, PT II.
JPRS 21214

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344, 444

STUDY OF THE DYNAMICS OF ERYTHROPOEISIS BY Mn^{2+} ,
 Fe^{59} , AND ERYTHROPOETIN, BY
G. I. KOZINETS, N. TYUBIANA, ET AL, 5 PP.

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NO 5, 1963, PP 60-63.

JPRS 21214

SCI-BIOL-MED
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THE MECHANISM OF THE THERAPEUTIC EFFECT OF BONE MARROW TRANSFUSIONS IN THE TREATMENT OF RADIATION SICKNESS, BY M. P. BOGOYAVLENSKAYA, YE. A. ZOTIKOV, ET AL, 6 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VIII, NO 6, 1963, PP 69-66.

JPRS 21214

SCI-BIOL-MED
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344,446

THE EFFECT OF HOMOLOGOUS BONE MARROW TRANSPLANTATION
ON CERTAIN REACTIVITY INDICES AND THE SURVIVAL OF
LETHALLY IRRADIATED RATS, BY I. G. WEKSLER, 7 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLGIYA, VOL VIII,
NO 6, 1963, PP 63-75.

JPRS 21214

SCI-BIOL-MED
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344,447

THE RECEPTION OF IONIZING RADIATION BY THE ORGANISM,
BY YU. G. ORICOR'YEV, L. N. KVASHNIKOVA, 12 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
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SOME DATA ON THE APPLICATION OF NEW RADIOACTIVE
ISOTOPES TO CLINICAL DIAGNOSTIC STUDIES, BY
M. N. FATEYEVA, 13 PP.

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JPRS 21200

SCI-BIOL & MED
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THE UTILIZATION OF COLLOIDAL RADIOACTIVE ISOTOPES
FOR RADIATION THERAPY OF CRANIOPHARYNGIOMAS, BY
A. A. VOLKOV, I. S. VASKIN, 8 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VIII,
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JPRS 21280

SCI-BIOL & MED
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Livergant, Yu. E., Chebotareva, E. D., and Tarkhanova, M. V.
THERAPEUTIC VALUE OF RADIOIODINE IN DIFFERENT FORMS OF HYPERTHYROIDISM (O Terapevticheskoi Efekтивности й¹³¹ pri Razlichnykh Formakh Tieotoksikoza). [1964] [17p] 7refs
FASEB Mt no.:S783-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-15520
Trans. of Meditinskaya Radiologiya (USSR) 1963,
v. 8, no. 7, p. 29-34.

TT-64-15520

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- II. Chebotareva, E. D.
- III. Tarkhanova, M. V.
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(Biological Sciences--Radiobiology. TT, v. 12, no. 3)

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Belugina, Z. T. and Khachkurozova, E. S.
DYNAMICS OF HEMATOPOIESIS AND SECRETION
IN THE STOMACH CONTENTS DURING RADIO-
PHOSPHORUS TREATMENT OF PRIMARY POLY-
CYTHEMIA (Dinamika Gemopoeticheskoi i Sekretnoi
Aktivnosti Relyudochnogo Soderzhimogo pri Lecenii
Istinnoi Politsitemii Radioaktivnym Fosforom). [1964]
[22p] (foreign text included) 19refs FASEB
manuscript no.: S784-3.
Order from OTS, SLA, or ETC \$2.60 TT-64-15521

Trans. of Meditinskaya Radiobiologiya (USSR) 1963,
v. 8, no. 7, p. 34-38.

TT-64-15521

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(Biological Sciences--Radiobiology, TT, v. 12, no. 3)

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REDUCTION OF THE RATE OF RECOVERY PROCESSES AS A
CHARACTERISTIC FEATURE OF ACUTE RADIATION SICKNESS
AFTER REPEATED IRRADIATION, BY V. A. REZONTOV, 9 PP

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NO 7, 1963, PP 52-56.

JPRS 21200

SCI-DIOL ... NED
OCT 63

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THE EFFECT OF WHOLE BODY ALPHA-THERAPY ON LIPOID
METABOLISM IN EXPERIMENTAL ARTERIOSCLEROSIS, BY
F. L. LXEYTES, 7 PP.

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JPRS 21200

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OCT 63

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REVIEWS. THE EFFECT OF IONIZING RADIATION ON THE
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A. V. SEVAN'KAYEV, A. A. SVESHNIKOV, 11 PP.

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JPRS 21200

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Gurtovoi, G. K.
RADIOISOTOPIC DIAGNOSIS OF TUMORS OF THE
EYE. [1964] [14p] 8refs PASEB Ms no.:S787-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-15522

Trans. of Meditinskaya Radiologiya (USSR) 1963,
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(Biological Sciences--Radiobiology, TT, v. 12, no. 3)

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Investigation of the Liver Function of Patients
With Chronic Cholangio-Hepatitis Using Bengal
Rose-I¹³¹, by V.V. Trusov, I.A. Belosludtsev.
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